

Opportunities to Integrate Source Water Protection and Security Efforts

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National Protection Task Force

DRINKING WATER SECURITY

report suspicious activity



watch out!

help out!

report it!

WE'RE ALL IN THIS TOGETHER

FOR EMERGENCIES :

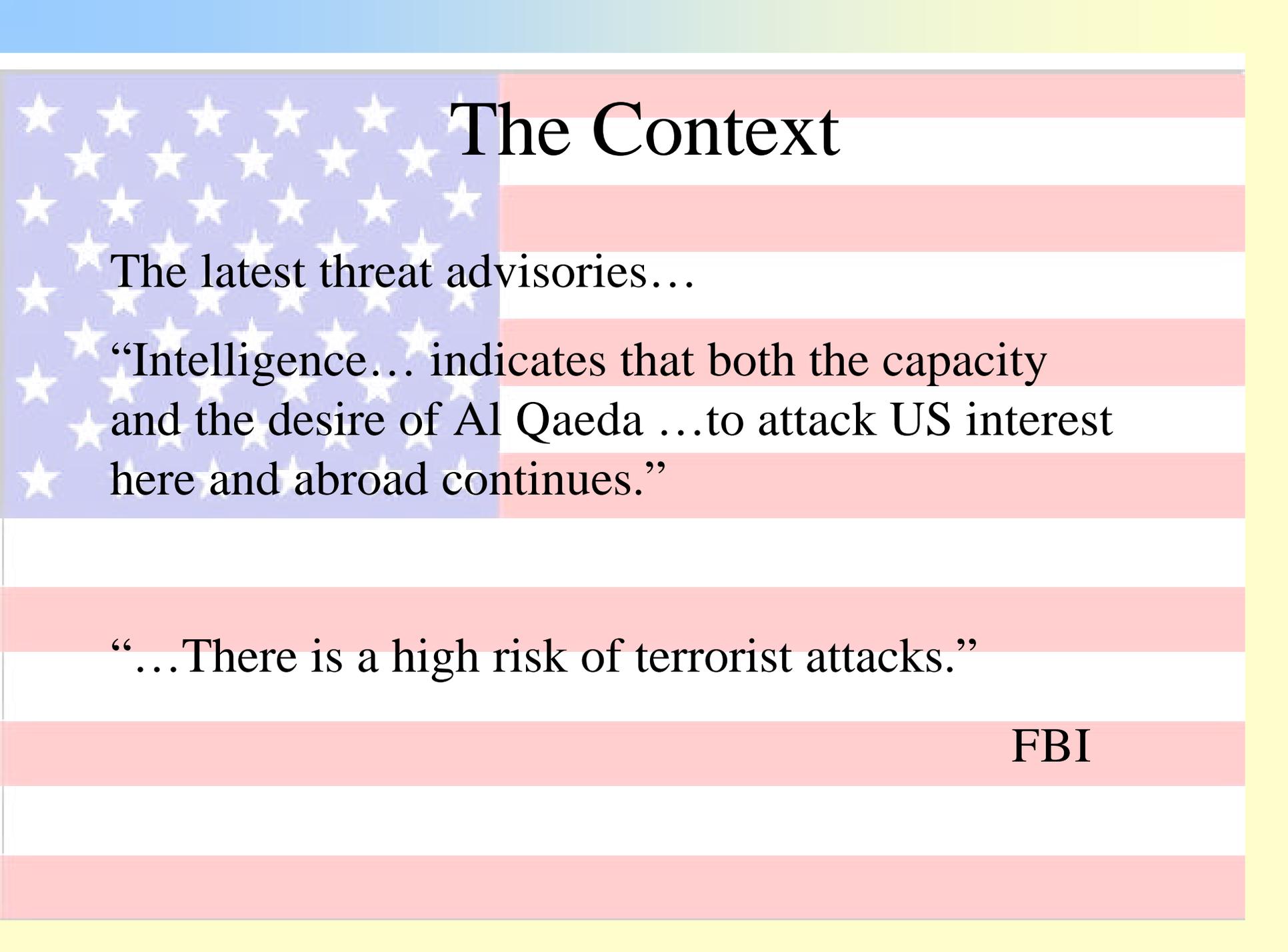
FOR MORE INFORMATION :

 EPA

The Presentation

- The Context
- The Incidents
- The Integration
 - Partnerships
 - Emergency Response
 - Targeting
- The Websites
- The End



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The Context

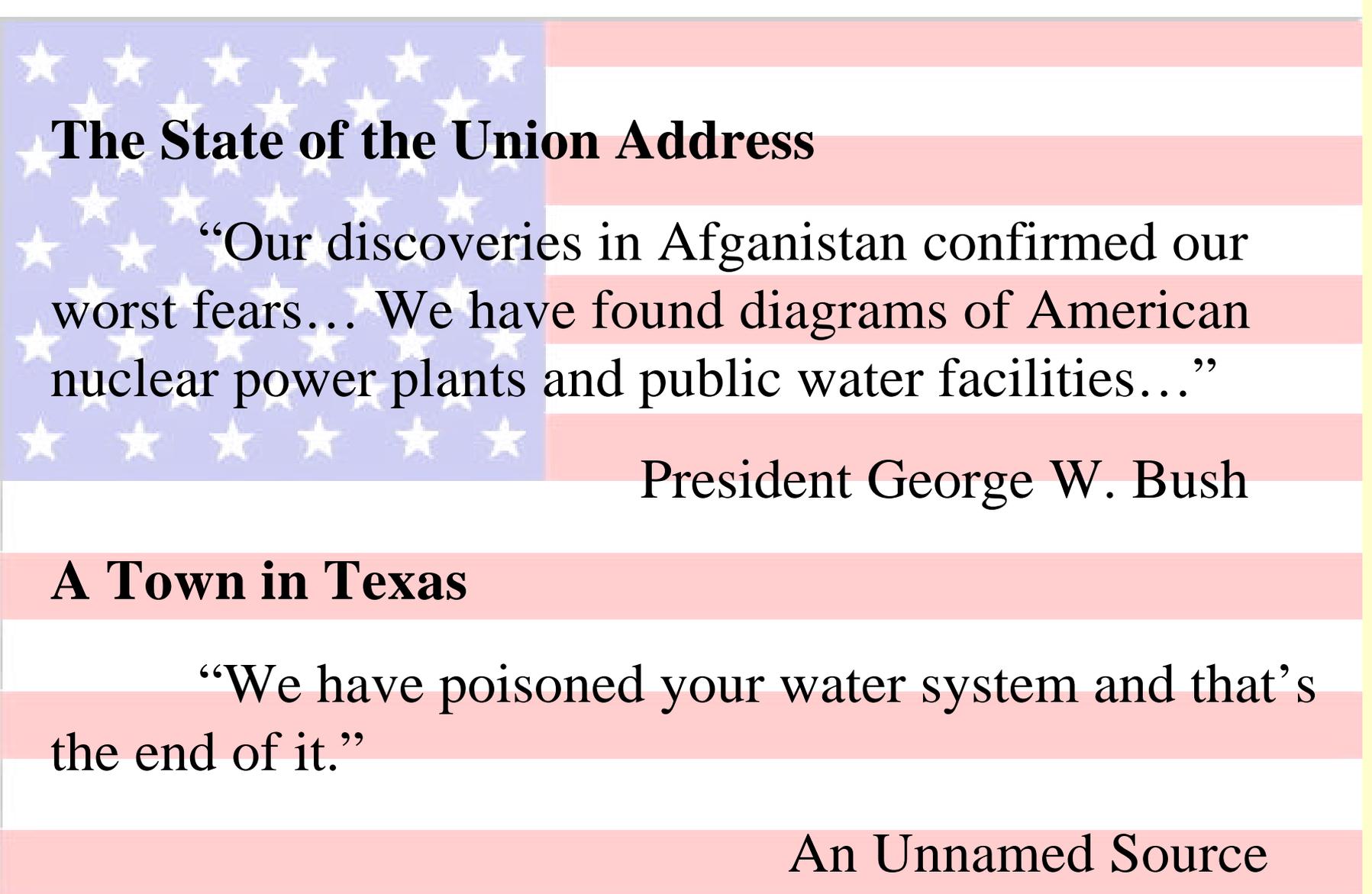
The latest threat advisories...

“Intelligence... indicates that both the capacity and the desire of Al Qaeda ...to attack US interest here and abroad continues.”

“...There is a high risk of terrorist attacks.”

FBI

The Context (continued)

The background of the slide is a stylized American flag with a blue field of white stars on the left and red and white horizontal stripes on the right.

The State of the Union Address

“Our discoveries in Afganistan confirmed our worst fears... We have found diagrams of American nuclear power plants and public water facilities...”

President George W. Bush

A Town in Texas

“We have poisoned your water system and that’s the end of it.”

An Unnamed Source

The Incidents

- A major water system, New York
- Glen Rose, Texas
- Easton Reservoir, Connecticut
- Norwich, Hartford, Lyndonville, and
Gilman, Vermont
- Seylar Elementary School, PA
- North Canton, OH
- London, England
- Volusia, Florida

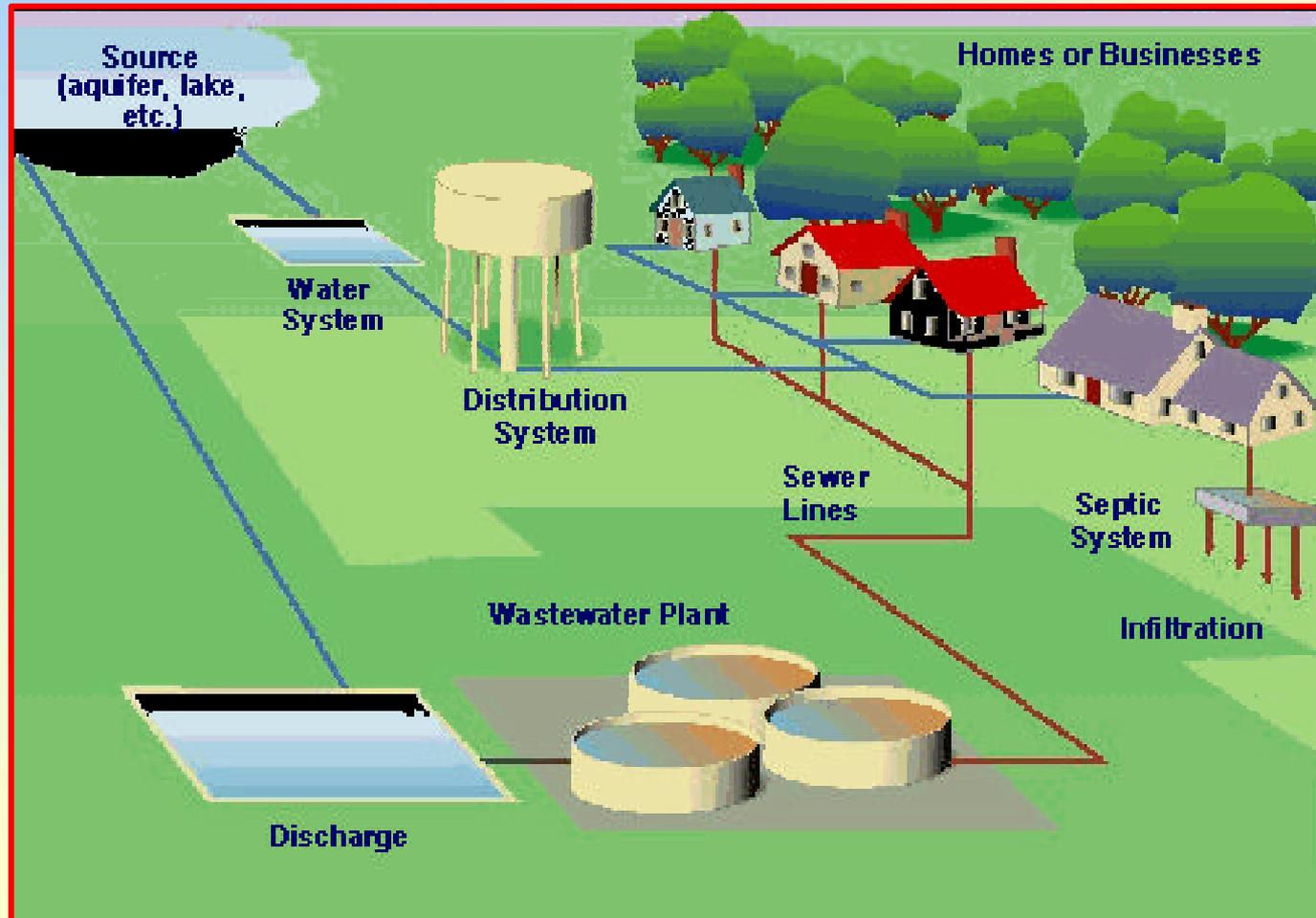


Why Enhance Security and Plan for Emergencies?

- Because none of us have a crystal ball
- It's our responsibility as public health protectors
- Our citizens depend on us to be prepared
- Because if we don't, who will?
- Not If.....But **WHEN**.....

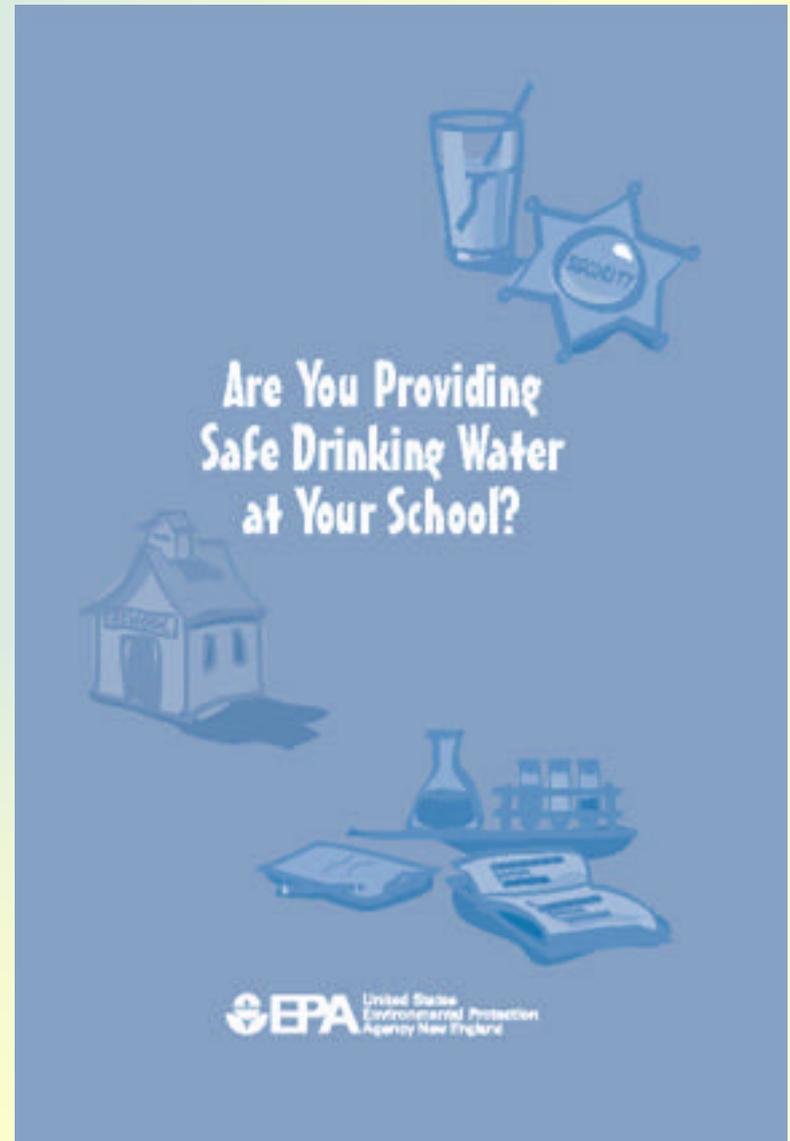


Integrating Drinking Water Protection and Security



Integration

- PARTNERSHIPS
 - Schools
 - Tips for Source Water Protection
 - Recommendations to Assess Vulnerabilities and Enhance Security ;
 - Secure Chemicals and Storage Areas;
 - Messages to Students “Tampering is a Federal Offense.”



Integration/ Partnerships

- Citizens
 - “Water Watchers- A Citizen’s Guide for Water Security”
 - “Protect Your Drinking Water”- Volunteer on Stream Team
 - Be Involved!
 - Be Observant!
 - Be Responsible!

WATER WATCHERS

*Helping to Protect your
Local Water System*

at reservoirs



at utilities



at water mains



WE'RE ALL IN THIS TOGETHER

Integration/ Partnerships

- Businesses
 - Businesses for Source Water Protection Initiative
 - Best Management Practices for Chemical Storage;
 - Limit and Control Access Points to Water Supplies;
 - Involvement in Local Planning Efforts;



What Role Does Your Business
Have in Protecting Drinking
Water Sources?

Integration/Partnerships

- Law Enforcement
 - Law Enforcement for Safe Drinking Water Initiative
 - Identify Drinking Water Sources
 - Discuss Results of Source Water Assessments
 - Coordinate Emergency Response Plans



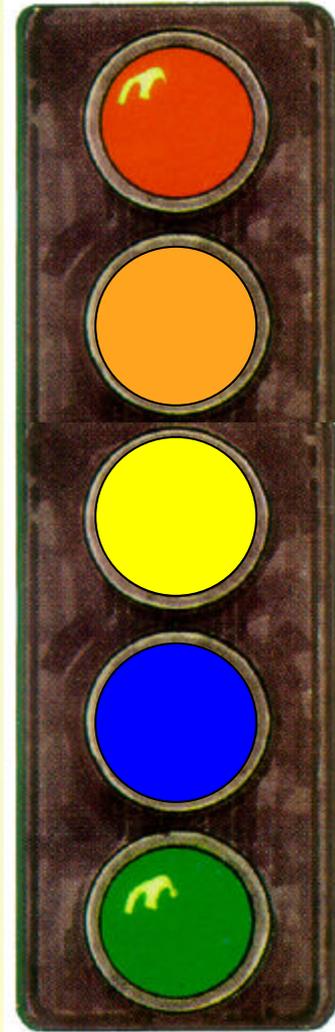
Emergency Response

- DW Utilities required to conduct Vulnerability Assessments, and develop Emergency Response Plans which are coordinated with LEPCs;
- Source Water Assessments have been released to public;
- Contingency Planning under the Wellhead Protection Program provides plans for alternate water;



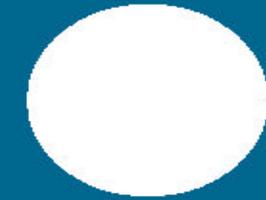
Integration/Emergency Response

- Consider integrating Contingency Plan requirements into model Utility Emergency Response Plans;
- Strongly encourage community involvement into all emergency plan development and source water protection;



Integration/Emergency Response

- Develop and distribute a Top Ten List of Water Security recommendations for LEPCs which reference ERPs and SWAs;
- Practice! Practice! Practice! – community-based emergency response exercises can be tied to SWA results;



TOP TEN LIST Emergency Preparedness and Security for Small Ground Water Suppliers

- 10 **Prepare** (or update) an emergency response plan. Make sure all employees help to create it and receive training on the plan;
- 9 **Post** updated emergency 24-hour numbers at your facilities in highly visible areas (pumphouse door, vehicles, office) and give them to key personnel and local response officials;
- 8 **Get to know** your local police and ask them to add your facilities to their routine rounds. Practice emergency response procedures with local police, emergency response and public health officials;
- 7 **Fence and lock** your drinking water facilities and vulnerable areas (e.g. wellhead hydrants, manholes, pumphouse, and storage tanks);
- 6 **Lock all** entry gates and doors and set alarms to indicate illegal entry. Do not leave keys in equipment or vehicles at any time;
- 5 **Install good lighting** around your pumphouse, treatment facility and parking lot;
- 4 **Identify** existing and alternate water supplies and maximize use of backflow prevention devices and interconnections;
- 3 **Use** your Source Water Assessment information to work with any businesses and homeowners that are listed as potential sources of contamination and lessen their threat to your source;
- 2 **Lock** monitoring wells to prevent vandals or terrorists from pouring contaminants directly into ground water near your source. Prevent pouring or siphoning contaminants through vent pipes by moving them inside the pumphouse or treatment plant. If that isn't possible, fence or screen them; and
- 1 **In case of an emergency**, first call "911" then follow your emergency response plan.

The Websites

www.fema.gov/library/terrorf

www.bt.cdc.gov

www.epa.gov/safewater/security.html

www.epa.gov/ebtpages/ecounterterrorism.html

www.epa.gov/ceppo/pubs/secale

www.epa.gov/region01/eco/drinkwater/dwsecurity.html

www.amwa.net/isac/amwacip

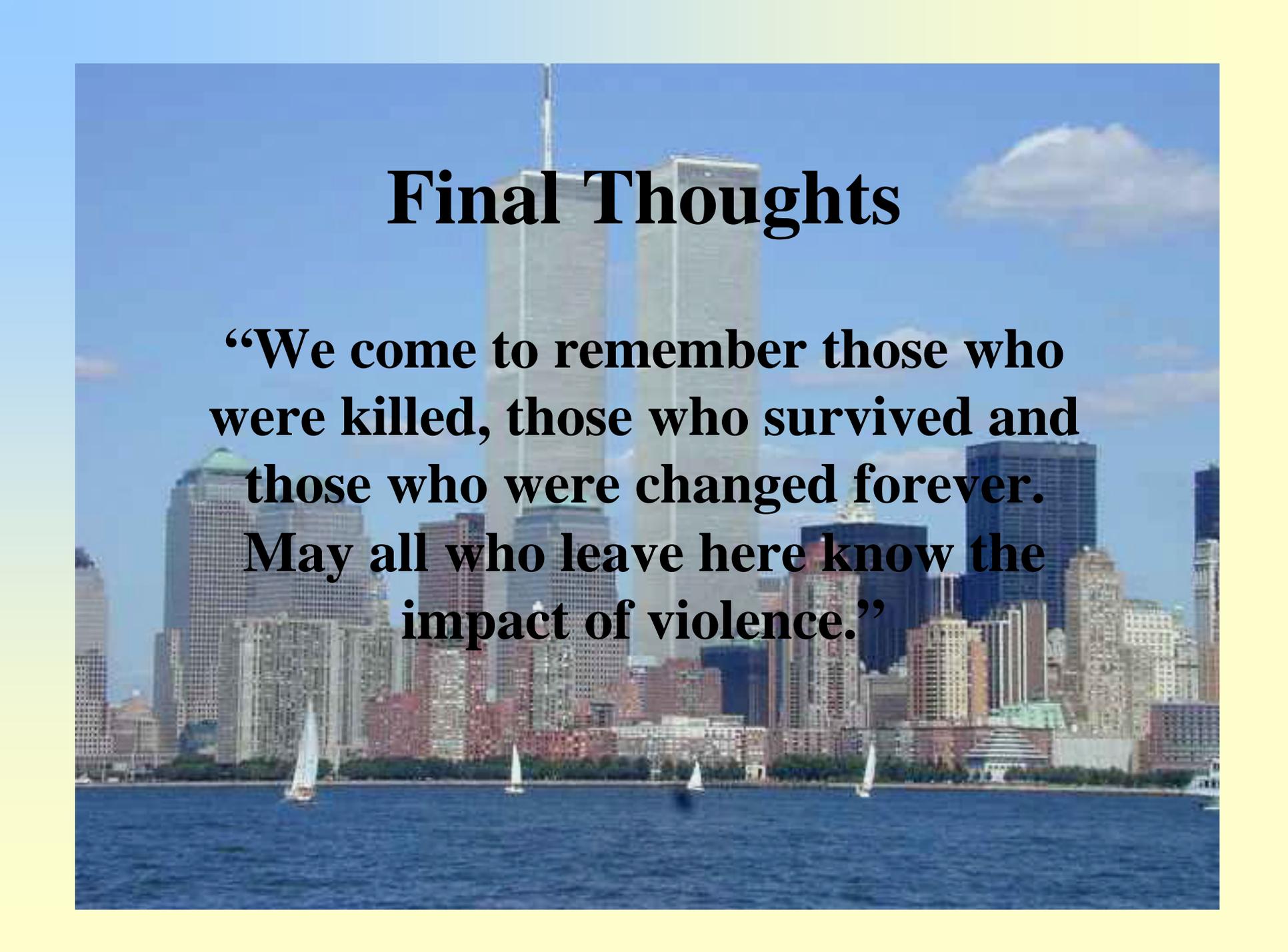
www.awwa.org

www.usamriid.army.mil/education/bluebook.html

www.apgea.army.mil

www.ojp.usdoj.gov/odp/whatsnew/whats-new.html



A photograph of the New York City skyline, featuring the Twin Towers of the World Trade Center as the central focus. The sky is blue with a few clouds, and the water in the foreground is dark blue with several sailboats. The text is overlaid on the image.

Final Thoughts

“We come to remember those who were killed, those who survived and those who were changed forever. May all who leave here know the impact of violence.”